



Certificate of Analysis

Product Name: Horseradish Peroxidase
 CAT #: P-100
 CAS #: 9003-99-0
 LOT #: Lot Specific
 Retest Date: Lot Specific
 Storage: Store desiccated at -20°C

TEST	SPECS	RESULT
Color:	Brown to deep red brown	Brown
Form:	Powder	Powder
Color of solution: (1% in 0.1M phosphate buffer, pH 6.0)	Brown to deep red brown	Brown
Turbidity: (1% in 0.1M phosphate buffer, pH 6.0)	Max. 12.0 NTU	6.5 NTU
Absorption Ratio: (RZ Purity Number: absorbance 403nm / absorbance 275nm; this value is an expression of the ratio of hemin to protein content)	>1.3	1.70
Loss on Drying: (80°C, 5hr, vacuum)	< 10%	5.0%
Peroxidase Activity:	>150 IU*/mg	262 IU*/mg

*IU (International Unit) defined as the amount of enzyme which converts one micromole of substrate per minute at 25°C under the condition of the quenched phenol/4-aminoantipyrine method

* Gold Biotechnology, Inc. provides this Certificate of Analysis in good faith and to the best of its knowledge. It should not be substituted for the user's own raw material quality control. This material is for laboratory use only.

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